Operator: AMEREN ILLINOIS COMPANY Oper	
Inspection Date(s): 1/26/2016, 1/27/2016, 1/28/2016 Man Days:	
Inspection Unit: Canton	·
Location of Audit: Canton	
Exit Meeting Contact: Chris Juliusson	
Inspection Type: Standard Inspection - Record Audit	
Pipeline Safety Representative(s): Donald Hankins	
Company Representative to Receive Report: Michael Fuller	
Company Representative's Email Address: mfuller2@ameren.com	

Chris Juliusson	Quality Assurance	
Inspection Contact(s)	Title	Phone No.
	Email:	
	Phone#: (217) 424-6518	
Official or Mayor's Name:	Ron Pate	
	Fax#:	
	Emergency Phone#: (800) 755-5000	
	Peoria, IL 61602	
Headquarters Address Information:	300 Liberty	

Gas System Operations	Status
Gas Transporter	Panhandle Eastern
Annual Report (Form 7100.1-1) reviewed for the year:	Not Checked
General Comment:	·
The annual report is in the Pawnee office.	
Unaccounted for Gas	Not Checked
General Comment:	•
The annual report is in the Pawnee office.	
Number of Services	Not Checked
General Comment:	•

The annual report is in the Pawnee office.		
Miles of Main		Not Checked
General Comment:		
The annual report is in the Pawnee office.		
Is the operator maintaining documentation verifyin	g their Maximum Allowable Operating Pressure(s)? (MAOP)	Satisfactory
General Comment:		
The operator has various MAOP'S		
Operating Pressure (Feeder)		Various
Operating Pressure (Town)		Various
Operating Pressure (Other)		Various
MAOP (Feeder)		Various
MAOP (Town)		Various
MAOP (Other)		Various
Does the operator have any transmission pipelines	s?	No
General Comment:		
No transmission lines in the Canton Operating Center.		
Regulatory	Reporting Records	Status
Category Comment:		
Regulatory reporting records are in the Pawnee Operating Cer.	nter.	
[191.5]	Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	Not Checked
[191.9(a)]	Was a DOT Incident Report Form F7100.1 submitted within 30 days after detection of an incident?	Not Checked
[191.9(b)]	Were any supplemental incident reports submitted when deemed necessary?	Not Checked
Did the operator have any plastic pipe failures in the past calendar year?		No
General Comment:		
No plastic pipe failures in the Canton Operating Center, for 20	14.	
Did the operator take action to mitigate safety concomponents?	cerns relating to the failure of the PE or pipeline	Not Applicable
[191.23(a)]	Did the operator report Safety Related Conditions?	Not Checked
[191.25]	Did the Operator file a Safety Related Condition Report within 5 working days of determination, but not later than	Not Checked

Unless otherwise noted, all code references are to 49CFR Part 192. If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

İ	10 working days after discovery?	
[192.16(c)]	Customer Notification: Has the operator notified each new customer within 90 days about the customer's responsibility regarding buried piping, however, operators of a master meter may continuously post a general notice in a permanent location?	Not Checked
	TEST REQUIREMENTS	Status
[192.517(a)][192.505,192.507,192.511(c)	Are pressure test records being maintained for piping operating above 100 psig?	Satisfactory
General Comment:		
Pressure test on piping for farm taps was over 100	psig, paper records for 2014 were inspected.	
[192.517(b)][192.511,192.509,192.513]	Are pressure test records being maintained for at least 5 years on piping operating below 100 psig?	Satisfactory
General Comment:		
Pressure records are being kept for at least 5 years	s, for pressures operating below 100 psig.	
[192.603(b)][192.725]	Were service lines temporarily disconnected from the main properly tested prior to reconnection?	Satisfactory
General Comment:		
Service lines that were temporarily disconnected w	ere pressure tested at the same pressure as a new service.	
	UPRATING	Status
Category Comment:		
No uprating in the gas system out of the Canton Op	perating Center.	
[192.555][192.555]	Has the operator maintained documentation of uprating	
	activities when uprating a pipe to a pressure that will produce a hoop stress of 30% or more SMYS?	Not Applicable
[192.557][192.557]		Not Applicable Not Applicable
[192.557][192.557]	produce a hoop stress of 30% or more SMYS? Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will	
[192.557][192.557] [192.603(b)][192.605(a)]	produce a hoop stress of 30% or more SMYS? Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS?	Not Applicable
	produce a hoop stress of 30% or more SMYS? Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS? OPERATIONS Has the operator conducted a review of the Operations	Not Applicable Status
[192.603(b)][192.605(a)]	produce a hoop stress of 30% or more SMYS? Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS? OPERATIONS Has the operator conducted a review of the Operations	Not Applicable Status
[192.603(b)][192.605(a)] General Comment: A review of the O&M plan is every year.	produce a hoop stress of 30% or more SMYS? Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS? OPERATIONS Has the operator conducted a review of the Operations	Not Applicable Status
[192.603(b)][192.605(a)] General Comment: A review of the O&M plan is every year.	produce a hoop stress of 30% or more SMYS? Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS? OPERATIONS Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months?	Not Applicable Status Satisfactory

AMEREN ILLINOIS COMPANY/1-28-2016

Page 3 of 14

[192.603(b)][192.605(b)(3)]	Are construction records, maps, and operating history available to operating personnel?	Satisfactory
General Comment:	·	
Construction maps and history are available to p	personnel.	
[192.603(b)][192.605(b)(8)]	Has the operator periodically reviewed personnel's work to determine the effectiveness of normal O&M procedures when deficiencies are found?	Satisfactory
General Comment:	<u> </u>	
Personnel work is reviewed by the Supervisor.		
CONTIN	IUING SURVEILLANCE RECORDS	Status
[192.603(b)][192.613(a)]	Has the operator reviewed continuing surveillance records for class location changes, failures, leak history, corrosion, changes in cathodic protection, and other unusual operating and maintenance conditions?	Not Checked
General Comment:	·	
The records are in the Decatur Plaza.		
[192.491][192.489]	Does the operator have records verifying if exposed cast iron was examined for evidence of graphitization and if necessary what appropriate action was taken concerning graphitization?	Not Applicable
General Comment:	,,	
The Canton Operating Center has no cast iron in	n the gas system.	
[192.603(b)][192.755]	Does the operator have surveillance records of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leak history, or any other unusual operating and maintenance conditions?	Not Applicable
General Comment:	<u> </u>	
The Canton Operating Center has no cast iron in	n the gas system.	
[192.603(b)][192.753(a)]	Is each cast iron caulked bell and spigot joint that is subject to a pressure of more than 25 (psig.) sealed as required?	Not Applicable
General Comment:	·	
The Canton Operating Center has no cast iron in	n the gas system.	
[192.603(b)][192.753(b)]	Is each cast iron caulked bell and spigot joint that is subject to a pressure of 25 (psig.) or less and is exposed for any reason sealed as required?	Not Applicable
General Comment:		

, ,	e gas system.	
DAMAG	GE PREVENTION RECORDS	Status
Category Comment:		
Damage prevention records will be inspected at the	Pawnee Training Center.	
[192.603(b)][191.11(a)]	Did the operator track the number of damages per 1000 locate requests for the previous years?	Not Checked
Has the number of damages increased or	decreased from prior year?	Not Checked
[192.603(b)][192.617]	Does the operator track records of accidents due to excavation damage to ensure causes of failures are addressed to minimize the recurrence?	Not Checked
[192.603(b)][192.614(c)(3)]	Does the operator provide documentation pertaining to notification of excavation, marking, positive response, and the availability and use of the one call system?	Not Checked
Does the operator have a Quality Assurar facilities?	nce Program in place for monitoring the locating and marking of	Not Checked
Do pipeline operators include performance	e measures in facility locating contracts?	Not Checked
[IL ADM. CO.265.100(b)(1)]	Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? http://www.icc.illinois.gov/julie/	Not Checked
Has the Operator adopted applicable sect	ions of the Common Ground Alliance Best Practices?	Not Checked
Were Common Ground Alliance Best Practice	ctices discussed with the Operator?	Not Checked
EMERGENCY PLANS		Status
[192.603(b)][192.615(b)(1)]	Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan?	Satisfactory
General Comment:	·	
Supervisors are furnished with the latest edition of the	ne Emergency Plan.	
[192.603(b)][192.615(b)(2)]	Has the operator maintained documentation that the appropriate operating personnel have received training to assure they are knowledgeable of emergency procedures and that the training was effective?	Satisfactory
General Comment:		
The Emergency plan is reviewed annually by Amere	en employees.	
[192.603(b)][192.615(b)(3)]	Has the operator maintained documentation of employee activity reviews to determine whether the procedures were effectively followed in each emergency?	Satisfactory

Ameren Canton did have an emergency and records showi	ing that the O&M procedures were followed during the emergency.	
[192.603(b)][192.615(c)]	Has the operator maintained documentation that the operator established and maintained liaison with appropriate fire, police and other public officials?	Satisfactory
General Comment:	•	
Records for 2014 show that liaison meeting were conducted	d.	
[192.603(b)][192.615(a)(3)]	Did the review of emergency response time intervals regarding odor/leak complaint documentation indicate adequate emergency response intervals were achieved?	Not Checked
General Comment:	·	
These records are on GCS and can be reviewed at the Pav	vnee Training Center.	
ODOF	RIZATION OF GAS	Status
[192.603(b)][192.625(f)]	Has the operator maintained documentation of odorant concentration level testing using an instrument?	Satisfactory
General Comment:	·	
Odorant readings were inspected for the year of 2014.		
[192.603(b)][192.625(e)]	Has the operator maintained documentation of odorizer tank levels?	Satisfactory
General Comment:	•	
Tank readings were inspected for the year of 2014.		
[192.603(b)][192.625(f)(1)]	Are master meter operators receiving written verification of odorant concentration levels from their gas supplier?	Not Applicable
General Comment:	•	
Ameren Illinois is not a master meter operator.		
[192.603(b)][192.625(f)(2)]	Has the master meter operator maintained documentation of sniff tests performed as required by this section?	Not Applicable
General Comment:		
Ameren Illinois is not a master meter operator.		
PATROLLIN	G & LEAKAGE SURVEY	Status
[192.603(b)][192.721(b)(1)]	Is the operator patrolling business districts at a minimum of 4 per year/4 1/2 months?	Not Applicable
General Comment:		
No areas within the Canton operating center.		
[192.603(b)][192.721(b)(2)]	Is the operator patrolling outside business districts at a minimum of 2 per year/7 1/2 months?	Satisfactory

General Comment:		
Ameren Canton has one place in Lake Camelot that is being	inspected twice a year.	
[192.603(b)][192.723(b)(1)]	Is the operator performing leakage surveys in business districts at a minimum of 1 per year/ 15 months? If the operator has inside meter sets that meet this criterion then were those surveyed?	Satisfactory
General Comment:		
The business district was leak surveyed in the time frame of these inside meter sets were leak surveyed.	the code requirements. Ameren Canton has a few inside meter sets in the bus	siness district, and
[192.603(b)][192.723(b)(2)]	Is the operator performing leakage surveys outside a business district at a minimum of every 5 years/63 months? Is the operator performing leakage surveys on cathodically unprotected pipelines at a minimum of every 3 years/39 months? If the operator has inside meter sets that meet this criterion then were those surveyed? If the operator has yard lines then are those being surveyed?	Satisfactory
General Comment:		
Ameren Canton leak surveys are completed every 4 years.		
YARD LINES - RESIDENTIAL		Status
[220 ILCS 2.2.03]	Has the operator designated and documented the location of all services where the meter is located more than 3 feet away from the wall of a residence?	Not Checked
General Comment:		
The records are on GCS for the Canton Operating Center.		
[192.463,220 ILCS 2.2.03][220 ILCS 2.2.03]	Has the operator determined if cathodic protection is required on these services?	Not Applicable
General Comment:		
Ameren does not provide cathodic protection after the meter	on yard lines.	
[192.723(b)(1),192.723(b)(2)][220 ILCS 2.2.03]	After the determination of the cathodic protection requirements, has the operator surveyed each line within the required leakage survey intervals?	Not Checked
General Comment:		
The records are on GCS for the Canton Operating Center.		
ABANDONMENT or DEACTI	VATION of FACILITIES PROCEDURES	Status
[192.603(b)][192.727(b)]	Did the operator maintain documentation demonstrating that each pipeline abandoned in place was disconnected from all sources and supplies of gas, and purged of gas?	Not Applicable
General Comment:		

Ameren Canton did not have any abandoned pipe in	the gas system in 2014.	
[192.603(b)][192.727(c)]	Did the operator maintain documentation demonstrating that each inactive pipeline that is not being maintained under this part was disconnected from all sources and supplies of gas; purged of gas?	Not Applicable
General Comment:		
Ameren Canton did not have any abandoned pipe in	the gas system in 2014.	
[192.603(b)][192.727(d)]	Did the operator maintain documentation demonstrating that whenever service to a customer was discontinued access to gas was either; locked, prevented by a mechanical fitting, or disconnected from the gas supply and open pipe ends sealed?	Satisfactory
General Comment:		
Disconnects are on OAS computer system.		
[192.603(b)][192.727(e)]	Did the operator maintain documentation when air was used for purging that a combustible mixture was not present after purging?	Not Applicable
General Comment:	•	
Ameren Canton did not have any abandoned pipe in	the gas system in 2014.	
[192.727(g)][192.727(g)]	Did the operator maintain documentation for each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?	Not Applicable
General Comment:		•
Ameren Canton did not have any abandoned pipe in	the gas system in 2014.	
PRESSUR	E LIMITING AND REGULATION	Status
Category Comment:		
Regulator station inspections are on GCS till Novemb	ber of 2014, and they then went to Maximo computer system.	
[192.603(b)][192.739(a)]	Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months?	Not Checked
[192.603(b)][192.743(a)]	Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months?	Not Checked
[192.603(b)][192.743(b)]	If the operator used calculations to determine sufficient capacity, were the calculation reviews documented at a minimum of 1 per year/15 months?	Not Checked
[192.603(b)][192.741(a),192.741(b)]	Is each distribution system supplied by more than one district pressure regulating station, or where required by the operator on a system supplied by a single regulating	Not Checked

	station, equipped with telemetering or recording pressure gauges to indicate the gas pressure in the district?	
[192.603(b)][192.741(c)]	If there were indications of abnormally high- or low- pressure, were actions taken to correct any unsatisfactory operating conditions?	Not Checked
[192.603(b)][192.743(a),192.743(b),192.195(b)(2)	Is overpressure protection provided by the supplier pipeline downstream of the take point?	Yes
General Comment:		
The overpressure protection is at the Glass Ford Take Station	and it is a monitor regulator set up.	
[192.603(b)][192.743(a)]	If Yes, does the operator have documentation to verify that these devices have adequate capacity?	Satisfactory
General Comment:		
Ameren Canton records shows that adequate capacity are bei	ng maintained.	
VALVE	MAINTENANCE	Status
[192.603(b)][192.747(a),192.747(b)]	Did the operator inspect and maintain distribution valves necessary for the safe operation of the system at a minimum of 1 per year/15 months?	Not Checked
General Comment:		
Distribution valves are on GCS and will be inspected at a later	date.	
[192.603(b)][192.749(a)]	Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months?	Not Applicable
General Comment:		
Ameren Canton does not have vaults in its gas system.		
Investig	ation Of Failures	Status
[192.603(b)][192.617]	Did the operator experience accidents or failures requiring analysis?	Not Applicable
General Comment:		
No accidents in the Canton Operating Ameren Canton. There with Ameren Canton having the report from GTI Testing Labor	was a failure of a 4 inch composite pipe insulator and Ameren had an analys atories.	sis done on this pipe
WELDING	G OF STEEL PIPE	Status
Category Comment:		
Records are kept in the Decatur Training Center.		
[192.603(b)][192.225(b)]	Does the operator have documentation for their qualified welding procedure?	Not Checked
[192.603(b)][192.227,192.229]	Does the operator have documentation of welder qualification as required?	Not Checked

[192.807]	Does the operator have documentation of welder OQ records?	Not Checked
[192.709][192.243(b)(2)]	Does the operator have documentation of NDT personnel qualification as required?	Not Checked
[192.709][192.243(f)]	Does the operator have documentation of NDT testing performed?	Not Checked
JOINING O	F MATERIAL OTHER THAN WELDING	Status
Category Comment:		
Plastic pipe joining records are in the Pawnee T	raining Center.	
[192.603(b)][192.285]	Are persons making joints with plastic pipe qualified?	Not Checked
[192.603(b)][192.287]	Are persons inspecting plastic pipe joints qualified?	Not Checked
[192.603(b)][192.283]	Are qualified joining procedures for plastic pipe in place?	Not Checked
COR	ROSION CONTROL RECORDS	Status
Category Comment:		
The corrosion records are in GCS, and can be for	ound on line in the computer.	
[192.491(a)][192.491(a)]	Has the operator maintained maps or records of cathodically protected piping, cathodic protection facilities, galvanic anodes, and neighboring structures bonded to the cathodic protection system?	Not Checked
General Comment:	·	
The corrosion records are in GCS, and can be for	ound on line in the computer.	
[192.491][192.459]	Has the operator maintained documentation of an examination when buried pipe was exposed?	Satisfactory
General Comment:	·	
Documentation of exposed pipe examination wa	s inspected by staff and met the code requirements.	
[192.491][192.465(a)]	Has the operator maintained documentation of annual pipe-to-soil monitoring performed at a minimum of 1 per yr/15 months and/or isolated services or short sections of main less than 100 feet at a minimum of 10% annually?	Not Checked
General Comment:		
The corrosion records are in GCS, and can be for	ound on line in the computer.	
[192.491][192.465(b)]	Has the operator maintained documentation of rectifier or other impressed current power sources inspections at a minimum of 6 per year/ 2 1/2 months?	Not Checked
General Comment:	·	
The rectifier's records are in GCS, and can be for	ound on line in the computer.	

[192.491][192.465(c)]	Has the operator maintained documentation of each critical interference bond, reverse current switch, diode, etc. inspections at a minimum of 6 per year/ 2 1/2 months and/or non-critical interference bond inspections at a minimum of 1 per year/15 months?	Not Checked
General Comment:		
The critical and non-critical bonds records are in GCS, and	can be found on line in the computer.	
[192.491][192.465(d)]	Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring?	Not Checked
General Comment:		
These records are in GCS, and can be found on line in the	computer.	
[192.491][192.465(e)]	Has the operator maintained documentation of unprotected pipeline surveys, inspections, or tests at a minimum of 3 years/39 months?	Not Checked
General Comment:		
The unprotected records are in GCS, and can be found on	line in the computer.	
[192.491][192.467(a),192.467(c),192.467(d)]	Has the operator maintained documentation of inspections or tests for electrical isolation at casings?	Not Checked
General Comment:	<u> </u>	
The casing records are in GCS, and can be found on line in	n the computer.	
[192.491][192.469]	Does the operator have a sufficient number of test stations or other contact points for electrical measurement to determine the adequacy of cathodic protection?	Not Checked
General Comment:		
The test station information records are in GCS, and can be	e found on line in the	
[192.491][192.471]	Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive?	Not Checked
General Comment:	·	
These records are in GCS, and can be found on line in the	computer.	
[192.491][192.473(b)]	Has the operator maintained documentation of inspections or tests to assure their cathodic protection system is not affecting adjacent underground metallic structures?	Not Checked
General Comment:		
These records are in GCS, and can be found on line in the	computer.	
[192.491][192.475(a)]	Has the operator maintained documentation of investigations or steps taken to minimize internal corrosion	Not Checked

	due to transportation of corrosive gas?	
General Comment:		
Ameren does not transport corrosive gas.		
[192.491][192.475(b)]	Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason?	Not Applicable
General Comment:		
No pipe has been removed from the gas system in the Can	ton Operating Center.	
[192.491][192.477]	Has the operator maintained documentation of internal corrosion coupon monitoring at a minimum of 2 per year/ 7 1/2 months?	Not Checked
General Comment:	•	
These records are at the storage fields.		
[192.491][192.481]	Has the operator maintained documentation of atmospheric corrosion control monitoring at a minimum of 1 per 3 years/ 39 months?	Satisfactory
General Comment:		
Atmospheric corrosion surveys are conducted every four year	ears during the leak survey, and met the code requirements in the Canton Opera	ating Center.
[192.491][192.479]	Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered?	Satisfactory
General Comment:	·	
Corrective actions were listed on the daily leak survey repo	rt.	
[192.491][192.483(a),192.483(b),192.483(c)]	Has the operator maintained documentation demonstrating that pipe removed due to external corrosion has been repaired or replaced with pipe that was coated and cathodically protected?	Not Applicable
General Comment:	•	
Ameren Canton did not remove any pipe due to external co	prosion in 2014.	
TRAINING - 83 IL ADM. CODE 520		Status
Category Comment:		
Training records are in the Pawnee Training Center.		
[520.10(a) (1)]	Has the operator maintained documentation demonstrating that personnel have received adequate training?	Not Checked
General Comment:	•	
Training records are in the Pawnee Training		

[520.10(a) (2)]	Do training records include verbal instruction and/or on the job training for each job classification?	Not Checked
General Comment:		
Training records are in the Pawnee Training		
[520.10(b)]	Has the municipal operator maintained documentation demonstrating that personnel have received adequate training?	Not Applicable
General Comment:		
Ameren is not a Municipal operator.		
[520.10(a)(5)]	Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	Satisfactory
General Comment:	·	
New materials and methods of operation and ins	stallation are in the O&M procedures which are updated during the O&M changes.	